

CLAIMS

1. A receiver comprising:

a buffer for temporarily storing data received from a transmission path;

and

control means for monitoring an amount of accumulation in said buffer,
 - 5 and sending a predetermined control signal to the transmission path based on a result of the monitoring when the amount of accumulation exceeds a predefined threshold or falls short of the threshold.
2. The receiver according to claim 1, comprising a decoder for retrieving data from said buffer and decoding the retrieved data, wherein said control means controls such that data is received before data in said buffer is exhausted.
3. A receiver comprising:

monitoring means for monitoring a receiving situation from a transmission path; and

control means for sending a predetermined control signal to the

5 transmission path when the receiving situation changes to a predefined situation.
4. The receiver according to claim 3, wherein said predefined situation is a radio handover.
5. A transmitter comprising:

an accumulation unit for storing at least two types of media signals at different bit rates;

switching means for receiving a control signal from a transmission path,

5 and retrieving the media signal from said accumulating unit with switching a bit rate of the media signal based on the control signal; and

means for encoding the retrieved media signal for transmission to the transmission path.

6. A transmitter comprising:

an accumulation unit for storing at least two or more types of files in which at least two types of media signals at different bit rates are stored;

means for receiving a control signal from a transmission path, switching

5 a file to be retrieved based on the control signal, and retrieving the file from said accumulation unit; and

means for encoding a media signal in the retrieved file, for transmission to the transmission line.

7. A transmitter comprising:

an accumulation unit for storing a media signal;

converting means for receiving a control signal from a transmission path,

and retrieving the media signal from said accumulation unit with converting a bit

5 rate based on the control signal; and

means for encoding the media signal retrieved from said converting means for transmission to the transmission path.

8. A transmitter comprising:

an accumulation unit for storing a media signal; and
means for reading and delivering the media data from said accumulation
unit based on a control signal received from a transmission path, at time
5 intervals different from time intervals at which the media signal was encoded.

9. A transmission/reception system comprising a transmitter for
transmitting a media signal to a transmission path, and a receiver for receiving
a media signal through the transmission path from said transmitter, wherein:
said receiver comprises:

5 a buffer for temporarily storing a media signal from said transmitter;
monitoring means for monitoring an amount of accumulation in said
buffer; and
control means for sending a control signal to the transmission path when
the amount of accumulation exceeds a predefined threshold or falls short of the
10 threshold, and

said transmitter comprises:
accumulating means for storing at least two types of media signals at
different bit rates; and
means for receiving the control signal sent from said receiver to the
15 transmission path, and retrieving the media signal from said accumulating
means with switching the bit rate based on the control signal.

10. A transmission/reception system comprising a transmitter for
transmitting a media signal to a transmission path, and a receiver for receiving
a media signal from said transmitter through the transmission path, wherein:
said receiver comprises:

5 a buffer for temporarily storing a media signal from said transmitter;
monitoring means for monitoring an amount of accumulation in said
buffer; and
control means for sending a control signal to the transmission path when
the amount of accumulation exceeds a predefined threshold or falls short of the
10 threshold, and
said transmitter comprises:
accumulating means for storing at least two or more types of files in
which at least two types of media signals at different bit rates are stored;
means for receiving the control signal sent from said receiver to the
15 transmission path, switching a file to be retrieved based on the control signal,
and retrieving the file from said accumulating means; and
means for encoding a media signal in the retrieved file for transmission
to the transmission path.

11. A transmission/reception system comprising a transmitter for
transmitting a media signal to a transmission path, and a receiver for receiving
a media signal from said transmitter through the transmission path, wherein:
said receiver comprises:
5 monitoring means for monitoring a receiving situation on the
transmission path; and
control means for sending a control signal to the transmission path when
the receiving situation changes to a predefined situation, and
said transmitter comprises:
10 accumulating means for storing at least two types of files in which at
least two types of media signals at different bit rates are stored;

means for receiving the control signal sent from said receiver to the transmission path, switching a file to be retrieved based on the control signal, and retrieving the file from said accumulating means; and

15 means for encoding a media signal in the retrieved file for transmission to the transmission path.

12. A transmission/reception system comprising a transmitter for transmitting a media signal to a transmission path, and a receiver for receiving a media signal from said transmitter through the transmission path, wherein:

said receiver comprises:

5 monitoring means for monitoring an amount of accumulation in a buffer for storing a media signal; and

control means for sending a control signal to a transmission path when the amount of accumulation exceeds a predefined threshold or falls short of the threshold, and

10 said transmitter comprises:

accumulating means for storing a media signal;

converting means for receiving the control signal sent from said receiver to the transmission path, and retrieving the media signal from said accumulating means with converting a bit rate based on the control signal; and

15 means for encoding the retrieved media signal for transmission to the transmission path.

13. A transmission/reception system comprising a transmitter for transmitting a media signal to a transmission path, and a receiver for receiving a media signal from said transmitter through the transmission path, wherein:

said receiver comprises:

5 monitoring means for monitoring a receiving situation on the
transmission path; and
 control means for sending a control signal to the transmission path when
the receiving situation changes to a predefined situation, and

 said transmitter comprises:

10 accumulating means for storing a media signal;
 converting means for receiving the control signal sent from said receiver
to the transmission path, and retrieving the media signal from said
accumulating means with converting a bit rate based on the control signal; and
 means for encoding the retrieved media signal for transmission to the
15 transmission path.

14. A transmission/reception system comprising a transmitter for
transmitting a media signal to a transmission path, and a receiver for receiving
a media signal from said transmitter through the transmission path, wherein:

 said receiving means comprises:

5 monitoring means for monitoring an amount of accumulation in a buffer
for storing a media signal; and
 control means for sending a control signal to the transmission path when
the amount of accumulation in the buffer exceeds a predefined threshold or
falls short of the threshold, and

10 said transmitter comprises:
 accumulating means for storing a media signal;
 means for receiving the control signal sent from said receiver to the
transmission path, reading and delivering the media signal stored in said

15 accumulating means based on the control signal from said accumulating means at time intervals different from time intervals at which the media signal was encoded; and

means for encoding the delivered media signal for transmission to the transmission path.

15. A transmission/reception system comprising a transmitter for transmitting a media signal to a transmission path, and a receiver for receiving a media signal from said transmitter through the transmission path, wherein:

said receiver comprises:

5 monitoring means for monitoring a receiving situation on the transmission path; and

control means for sending a control signal to the transmission path when the receiving situation changes to a predefined situation, and

said transmitter comprises:

10 accumulating means for storing a media signal;

means for receiving the control signal sent from said receiver to the transmission path, and reading and delivering the media signal stored in said accumulating means from said accumulating means based on the control signal at time intervals different from time intervals at which the media signal

15 was encoded; and

means for encoding the delivered media signal for transmission to the transmission path.

16. A reception method comprising the steps of:

monitoring an amount of accumulation in a buffer for storing a media

signal received from a transmission path;

sending a predetermined control signal to the transmission path when

5 the amount of accumulation in the buffer exceeds a predefined threshold or falls short of the threshold; and

carrying out a control such that data is received before data in said buffer is exhausted.

17. A reception method comprising the step of:

monitoring a receiving situation from a transmission path; and

sending a predetermined control signal to the transmission path when the receiving situation changes to a predetermined situation.

18. The reception method according to claim 17, wherein said predetermined situation is a radio handover.

19. A transmission method comprising the steps of:

storing at least two types of media signals at different bit rates in an accumulation unit;

receiving a control signal from a transmission path, and retrieving the

5 media signal from said accumulation unit with switching the bit rate based on the control signal; and

encoding the retrieved media signal for transmission to the transmission path.

20. A transmission method comprising the steps of:

storing at least two or more types of files in which at least two types of

media signals at different bit rates are stored in an accumulation unit;
receiving a control signal from a transmission path, switching a file
5 based on the control signal, and retrieving the file from said accumulation unit;
and
encoding a media signal in the retrieved file for transmission to the
transmission path.

21. A transmission method comprising the steps of:
receiving a control signal from a transmission path;
changing a bit rate of a media signal stored in an accumulation unit
based on the control signal and retrieving the media signal; and
5 encoding the retrieved media signal for transmission to the transmission
line.

22. A transmission method comprising the steps of:
receiving a control signal from a transmission path; and
reading and delivering a media signal from an accumulation unit for
storing the media signal based on the control signal at time interval different
5 from time intervals at which the media signal is encoded.

23. A transmission/reception method comprising the steps of:
in a receiver for receiving a media signal through a transmission path,
monitoring an amount of accumulation in a buffer for storing the media signal;
sending a control signal from said receiver to the transmission path
5 when the amount of accumulation exceeds a predefined threshold or falls short
of the threshold;

in a transmitter for transmitting the media signal to the transmission path, storing at least two types of media signals at different bit rates to accumulation unit;

10 upon receipt of the control signal sent from said receiver to the transmission path, and retrieving the media signal from said accumulating means with switching the bit rate based on the control signal; and
 encoding the retrieved signal for transmission from said transmitter to the transmission path.

24. A transmission/reception method comprising the steps of:

 in a receiver for receiving the media signal through a transmission path, monitoring an amount of accumulation in a buffer for storing the media signal; sending a control signal from said receiver to the transmission path

5 when the amount of accumulation in said buffer exceeds a predefined threshold or falls short of the threshold;

 in a transmitter for transmitting the media signal to the transmission path, storing at least two or more types files in which at least two types of media signals at different bit rates are stored in an accumulation unit;

10 receiving the control signal sent from said receiver to the transmission path at said transmitter;

 switching a file based on the control signal, and retrieving the file from said accumulation unit; and
 encoding a media signal in the retrieved file for transmission to the

15 transmission path.

25. A transmission/reception method comprising the steps of:

- in a receiver for receiving a media signal through a transmission path, monitoring a receiving situation on the transmission path;
- sending a control signal from said receiver to the transmission path
- 5 when the receiving situation changes to a predefined situation;
 - in a transmitter for transmitting a media signal to the transmission path, storing at least two types of files in which at least two types of media signals at different bit rates are stored in an accumulation unit ;
 - receiving the control signal sent from said receiver to the transmission
- 10 path at said transmitter;
 - switching a file based on the control signal, and retrieving the file from said accumulation unit; and
 - encoding a media signal in the retrieved file for transmission from said transmitter to the transmission path.

26. A transmission/reception method comprising the steps of:

- in a receiver for receiving the media signal through a transmission path, monitoring an amount of accumulation in a buffer for storing the media signal;
- sending a control signal from said receiver to the transmission path
- 5 when the amount of accumulation in said buffer exceeds a predefined threshold or falls short of the threshold;
 - in a transmitter for transmitting a media signal to the transmission path, receiving the control signal sent from said receiver to the transmission path;
 - retrieving the media signal from an accumulation unit which stores the
- 10 media signal with changing a bit rate based on the control signal; and
- encoding the retrieved media signal for transmission from said transmitter to the transmission line.

27. A transmission/reception method comprising the steps of:

- in a receiver for receiving a media signal through a transmission path,
- monitoring a receiving situation on the transmission path;
- sending a control signal from said receiver to the transmission path

5 when the receiving situation changes to a predefined situation;

- in a transmitter for transmitting a media signal to the transmission path,
- receiving the control signal sent from said receiver to the transmission path;
- retrieving the media signal from an accumulation unit which stores the media signal with changing a bit rate based on the control signal; and

10 encoding the retrieved media signal for transmission from said transmitter to the transmission line.

28. A transmission/reception method comprising the steps of:

- in a receiver for receiving a media signal through a transmission path,
- monitoring an amount of accumulation in a buffer for storing the media signal;
- sending a control signal from said receiver to the transmission path

5 when the amount of accumulation in said buffer exceeds a predefined threshold or falls short of the threshold;

- in a transmitter for transmitting a media signal to the transmission path,
- receiving the control signal sent from said receiver to the transmission path;
- reading and delivering a media signal stored in an accumulation unit of

10 said transmitter based on the control signal at time intervals different from time intervals at which the media signal is encoded; and

- encoding the delivered media signal for transmission from said transmitter to the transmission path.

29. A transmission/reception method comprising the steps of:

- in a receiver for receiving a media signal through a transmission path,
- monitoring a receiving situation on the transmission path;
- sending a control signal from said receiver to the transmission path

5 when the receiving situation changes to a predefined situation;

- in a transmitter for transmitting a media signal to the transmission path,
- receiving the control signal sent from said receiver to the transmission path;
- reading and delivering a media signal stored in an accumulation unit of said transmitter based on the control signal at time intervals, different from time

10 intervals at which the media signal is encoded, from said accumulation unit;

and

- encoding the delivered media signal for transmission from said transmitter to the transmission path.